Practice Question-4

```
package handson;
public class Demoerror {
      public static void main(String[] args) {
            // TODO Auto-generated method stub
            try{
                  int arr[]={10,20,30,40};
                  //String str=null;
                  //int num = 20/0;
                  //System.out.println(str.length());
                  System.out.println(arr[10]);
            catch(ArithmeticException e) {
                  System.out.println("Erro"+e);
            catch(ArrayIndexOutOfBoundsException e) {
                  System.out.println("Erro:"+e);
            catch(NullPointerException e) {
                  System.out.println("Error:"+e);
            }
            finally {
                  System.out.println("this always block exceute");
            System.out.println("out of all exceptions");
      }
}
```

```
Threadrunnable.java 🛭 Sleepnwait.java 🚨 Sync.java 🗘 Demoerror.java 🗴
     1 package handson;
     3 public class Demoerror {
    5⊝
           public static void main(String[] args) {
     6
              // TODO Auto-generated method stub
              try[
     7
     8
                  int arr[]={10,20,30,40};
     9
                  //String str=null;
     10
                  //int num = 20/0;
     11
                  //System.out.println(str.length());
                  System.out.println(arr[10]);
     13
     14
              catch (ArithmeticException e) {
     15
                  System.out.println("Erro"+e);
     17
              catch(ArrayIndexOutOfBoundsException e) {
     18
                  System.out.println("Erro:"+e);
     19
     20
              catch(NullPointerException e) {
    21
22
                  System.out.println("Error:"+e);
     23
              finally {
                  System.out.println("this always block exceute");
    24
     25
    26
              System.out.println("out of all exceptions");

    Problems @ Javadoc    Declaration    □ Console ×
    Erro:java.lang.ArrayIndexOutOfBoundsException: Index 10 out of bounds for length 4
    this always block exceute
    out of all exceptions
```